

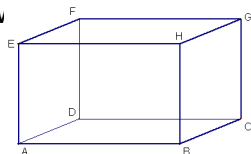
Ch 3 Test Tomorrow

3-1

Parallel

Perpendicular

Skew



3-2

Four Theorems

Match Conclusions

- a. All right angles are congruent.
- b. If two lines are perpendicular, then they intersect to form four right angles.
- c. If two lines intersect to form adjacent congruent angles, then the lines are perpendicular.
- d. If two sides of adjacent acute angles are perpendicular, then the angles are complementary.

3-3

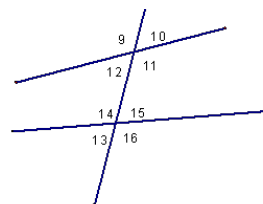
Identify the types of angles

Corresponding

Alternate interior

Alternate exterior

Same-side interior



3-4

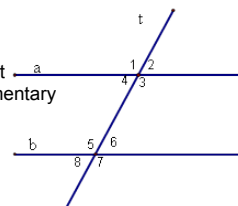
If the lines are parallel, then

Corresponding angles are congruent

Alternate interior angles are congruent

Alternate exterior angles are congruent

Same-side interior angles are supplementary



3-5

Converses

Why are the lines parallel?

Corresponding angles converse

Alternate interior angles converse

Alternate exterior angles converse

Same-side interior angles converse

Which lines are parallel?

